PERMIT NON-COMPLIANCE SUMMARY

(Previously reported to District)

Facility ID: #B1326

Reporting period: February 1st, 2016 through July 31st, 2017.

Summary of DAS System Events

1. March 12th, 2017 – The reporting lost one hour of data during the daylight savings time change due to duplicate timer period. Reporting data is resident in the database.

Summary of CEMS System Events

None.

Summary of Other Events

- 1. On July 8th, 2017 the facility had a scheduled outage to perform some normal maintenance items. This outage lasted for 10.3 hours.
- 2. On July 26th, 2017 at midnight (24:00) the Facility's Power Purchase Agreement (PPA) with the Utility (PG&E) expired. The Facility sources were shut down due to this Contractual Issue. Anticipated start-up of the sources will be on August 1st, when the University PPA commences.
- 3. Commencing on July 27th, 2017, the University of California Berkeley will be purchasing all interests in the facility from PE-Berkeley, Inc. All permits, agreements, and legal responsibilities will be transferred to the University. All future Regulatory Compliance and Reporting will become the responsibility of the University of California Berkeley.

\ Attachment

Table VII-A **Applicable Limits and Compliance Monitoring Requirements** S-1, Emergency Diesel Engine Generator

Type of	Emission	FE	Future	Emission Limit	Monitoring	Monitoring	Monitoring	Comp	liance
Limit	Limit	Y/N	Effective		Requirement	Frequency	Type	YES	/ NO
	Citation		Date		Citation	(P/C/N)			76
Opacity	BAAQMD	N		>=Ringlemann 2.0 for no		N		Х	
	Regulation		ļ	more than 3 minutes in					ļ
	6-1-303.1			any hour.					
Opacity	SIP	Y		>=Ringleman 2.0 for no	8	N		Х	
	Regulation 6-303.1			more than 3 minutes in any hour	8				ļ
FP	BAAQMD	N		0.15 gr/dscf		N		x	
•••	Regulation	14		0.15 gi/dsc1				Λ	1
	6-1-310				,)
FP	SIP	Y		0.15gr/dscf		N		X	1 -
	Regulation			_	x				1
	6-310							_	
SO2	BAAQMD	Y		Property Line Ground	None	N	N/A	X	
	9-1-301			level limits: <=0.5 ppm					ŀ
				for 3 minutes and <=					Ī
				0.25 ppm for 60 min. and <= 0.05ppm for 24					
				hours.]
	BAAOMD	Y		0.5%wt Sulfur in liquid		P/E	Fuel	X	
	9-1-304	-		fuel	8		certification		1
					,	ĺ	of each)
							delivery		
11 6	D1 101/D	NT	ļ	77 12 13 11 6	D. L. LOMB		77 34		-
Hours of Operation	BAAQMD 9-8-330.1	N		Unlimited hours for emergencies.	BAAQMD 9-8-530.2	C P/M	Hour Meter, Records of	X	1
Орстаноп	9-0-330.1			i emergeneres.	9-0-330.2	17141	Operating		
			ļ				Hours		1
	BAAQMD	N		100 hours per calendar	BAAQMD	С	Hour Meter,	X	
	9-8-330.2		į.	year or permit limit	9-8-530	P/M	Records of		,
			1	whichever is lower for			Operating		
		8	1	reliability-related			Hours		1
	BAAQMD	N	1/1/2012	activities 50 hours per calendar	BAAQMD	С	Hour Meter,	X	
	9-8-330.3	N	1/1/2012	year of permit limit	9-8-530	P/M	Records of	λ	İ
	7-0-330.3		1	whichever is lower for	7-8-330	1/1/1	Operating		1
			ĺ	reliability-related			Hours		
			•	activities					Ì
	BAAQMD	Y		Unlimited Hours for	BAAQMD	С	Hour Meter,	Х	1
	Condition			Emergencies	Condition	P/M	Record		
	#22820 Part		}		#22820 Part 3		Keeping		}
	2	Y		<-20 hours	and 4	С	Hour Meter,		
	BAAQMD Condition	Y		<=20 hours per year for reliability-related	BAAQMD Condition	P/M	Record	X	
	#22820 Part			activities	#22820 Part 3	17171	Keeping		1
	#22020 Talk		Ī	404,100	and 4	l	ixcoping		1

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Table VII-B Applicable Limits and Compliance Monitoring Requirements S-40, Turbine

Type of	Emission	FE	Future	Emission Limit	Monitoring	Monitoring	Monitoring	Compl	iance
Limit	Limit Citation	Y/N	Effective Date		Frequency Citation	Frequency (P/C/N)	Туре	YES /	NO NO
NOX	BAAQMD 9-9-303.2	N		20.2 ppmv @ 15% O2, dry (adjusted per 9-9- 401), except during start- up	BAAQMD 9-9-501	С	СЕМ	Х	
NOX	SIP 9-9- 303.2	Y		20.2 ppmv @ 15% O2, dry (adjusted per 9-9- 401), except during start- up	SIP 9-9-501	С	CEM	Х	
	BAAQMD 9-9-303.2	N		42 ppmv @ 15% O2, dry during natural gas curtailment or short testing periods	BAAQMD 9-9-501	С	CEM	х	
	SIP 9-9-303.2	Y		42 ppmv @ 15% O2, dry during natural gas curtailment or short testing periods	SIP 9-9-501	С	СЕМ	Х	
	BAAQMD Cond #366 Part 4	Y		20.2 ppmdv – natural gas: @ 15% O2, 3 hr avg, except during startr-up	BAAQMD Cond #366 Part 12	С	CEM	х	
NOX	BAAQMD Cond #366 Part 5	Y		20.2 ppmdv – natural gas: @15% O2 (combined S- 40 & S-41), 3 hr avg, except during start-up	BAAQMD Cond #366 Part 12	С	СЕМ	х	
	BAAQMD Cond #366 Part 6	Y		42 ppmdv – fuel oil: @15% O2, 3 hr avg, except during start-up	BAAQMD Cond #366 Part 12	С	CEM	Х	
NOX	BAAQMD Cond #366 Part 7	Y		39 ppmdv – fuel oil: @15% O2 (combined S- 40 & S-41), 3hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	СЕМ	х	
	BAAQMD Cond #366 Part 10	Y		547 lb/day when burning natural gas and 1093 lb/day when burning fuel oil (combined S-40 & 41)	BAAQMD Cond #366 Part 12	С	СЕМ	х	
	NSPS Subpart GG, 60.332(a)(1)	Y		99 ppmdv @ 15% O2 dry, 4-hr average	NSPS Subpart GG, 60.334(b)	С	CEM	х	
СО	BAAQMD Cond #366 Part 4a	Y	•	200 ppm @ 15% O2 3- hour average except during start-up.	BAAQMD Cond #366 Part 12a	С	CEM	Х	
CO	BAAQMD Cond #366 Part 5a	Y		200 ppm @ 15% O2 (combined S-40 & S-41) 3-hour average except during start-up	BAAQMD Cond #366 Part 12a	С	СЕМ	х	
со	BAAQMD Cond #366 Part 10	Y		2195 lb/day (natural gas or fuel oil)(combined S-40 & 41)	BAAQMD cond #366 Parts 10, 12a, and 18	С	CEM, Annual source test	x	
SO2	BAAQMD Cond #366 Part 2	Y		Maximum of 0.12% by wt Sulfur in fuel oil	BAAQMD Cond #366 Parts 2	P/E	At each delivery, fuel sampling using District's laboratory procedure method 10	х	

¹ Ground level Concentration

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Table VII-B Applicable Limits and Compliance Monitoring Requirements S-40, Turbine

Continued...

Type of	Emission	FE	Future	Emission Limit	Monitoring	Monitoring	Monitoring	Compli	ance
Limit	Limit	Y/N	Effective		Frequency	Frequency	Type	YES /	NO
	Citation		Date		Citation	(P/C/N)			
SO2	BAAQMD Cond #366 Part 3	Y		Maximum of 0.25% by wt Sulfur in fuel oil during periods of natural gas curtailment	BAAQMD Cond #366 Parts 2	P/E	At each delivery, fuel sampling using District's laboratory procedure method 10	x	
	BAAQMD Cond #366 Part 11	Y		987 lb/day (natural gas) 40 tons/year (combined S-40 & S-41)	BAAQMD Cond #366 Parts 11	P/E	fuel sampling using District's laboratory procedure method 10	Х	
SO2	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Х	
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)		N		X	
	BAAQMD 9-1-304	Y	2	0.5% wt Sulfur in liquid fuel		P/E	Fuel certification	Х	
SO2	NSPS Subpart GG, 60.333(a)	Y		0.015% (vol) @ 15% O2 (dry), or 0.8% sulfur in gaseous fuel by weight	NSPS Subpart GG, 60.334 (b)(3)	P/M or EN	Monthly gaseous fuel analysis of current, valid purchase contract, tariff sheet or transportation contract	X	
SO2	NSPS Subpart GG, 60.333(b)	Ÿ		0.8% sulfur in fuel oil by weight	NSPS Subpart GG, 60.334(h)(1), 60.334(i)(1)	P/E	At each fuel oil delivery, fuel sampling using District's laboratory procedure method 10	X	
Opacity	BAAQMD 6-1-301	N		>=Ringlemann No. 1 for no more than 3 minutes in an hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring	х	
Opacity	SIP 6-301	Y		>=Ringlemann No. 1 for no more than 3 minutes in an hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring	Х	
FP	BAAQMD 6-1-310	N		0.15 grain/dsef @ 6% O2		N		Х	
FP	SIP 6-301	Y		0.15 grain/dscf @6% O2		N		Х	

¹ Ground level Concentration

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Table VII-C Applicable Limits and Compliance Monitoring Requirements S-41, Duct Burner

Type of	Emission	FE	Future	Emission Limit	Monitoring	Monitoring	Monitoring	Compl	iance
Limit	Limit	Y/N	Effective	Actividade (1996) Cantita (Cantino Cantino Can	Frequency	Frequency	Туре	YES /	NO
	Citation		Date		Citation	(P/C/N)			
NOX	BAAQMD	N		20.2 ppmv @ 15% O2,	BAAQMD	С	CEM	Х	
1	9-9-303.2			dry (adjusted per 9-9-	9-9-501				1
				401), except during start-					
NOX	SIP	Y		up 20.2 ppmv @ 15% O2,	BAAQMD	С	CEM	Х	1
	9-9-303.2			dry (adjusted per 9-9-	9-9-501				
				401), except during start-	ł				1
	BAAQMD	N		up 42 ppmv @ 15% O2, dry	BAAQMD	С	CEM	x	!
	9-9-303.2	14		during natural gas	9-9-501		CLIVI	Λ	
				curtailment or short					
				testing periods					
	SIP 9-9-303.2	Y		42 ppmv @ 15% O2, dry during natural gas	BAAQMD 9-9-501	С	CEM	Х	
	9-9-303.2			curtailment or short	3-3-301				1
				testing periods					
NOX	BAAQMD	Y		20.2 ppmdv - natural gas:	BAAQMD	С	CEM	Х	
	Cond #366			@15% O2 (combined S-	Cond #366 Part 12				1
	Part 5			40 & S-41), 3 hr avg, except during start-up	Part 12	1			
	BAAOMD	Y		39 ppmdv – fuel oil:	BAAQMD	С	CEM	X	
	Cond #366			@15% O2 (combined S-	Cond #366	ł	9000 St. Co.		1
	Part 7			40 & S-41), 3hr avg,	Part 12				
	BAAQMD	Y		except during start-up 547 lb/day when burning	BAAQMD	С	CEM	X	
	Cond #366	•		natural gas and 1093	Cond #366		CLIVI	Λ	
	Part 10			lb/day when burning fuel	Parts 9 and				1
				oil (combined S-40 & S-	12				1
	NSPS	Y	<u> </u>	41) 99 ppmdv @ 15% O2	NSPS	С	CEM	Х	
	Subpart	•		dry, 4 - hr average	Subpart GG,		CLIVI	Λ.	1
	GG,			,	60.334(b)				
	60.332(a)(1)							·····	<u> </u>
СО	BAAQMD Cond #366	Y		200 ppm @ 15% O2 (combined S-40 & S-41)	BAAQMD Cond #366	С	CEM	Х	
	Part 5a		1	3-hour average except	Part 12a	Ì	1		
		1		during start-up			_		
	BAAQMD	Y		2195 lb/day (natural gas)	BAAQMD	С	CEM,	X	
	Cond #366 Part 10			2195 lb/day (fuel oil) (combined S-40 & 41)	cond #366 Parts 10,		Annual		
	rait 10			(COMORICA 3-40 & 41)	12a, and 18		source test		
SO2	BAAQMD	Y	-	987 lb/day (natural gas)	BAAQMD	P/E	At each fuel	X	1
	Cond #366			40 tons/year (combined	Cond #366		delivery, fuel		
	Part 11	ε		S-40 & 41)	Parts 11		sampling		
							using District's		
							laboratory		
						1	procedure		
SO2	BAAQMD	Y	 	GLC ¹ of 0.5 ppm for 3	 	N	method 10	Х	+
302	9-1-301	1		min or 0.25 ppm for 60	1			Λ	
			}	min or 0.05 ppm for 24					
1000	5			hours	ļ	<u> </u>		,	ļ. <u>.</u>
SO2	BAAQMD 9-1-302	Y	1	300 ppm (dry)		N		Х	
	BAAQMD	Y		0.5% wt Sulfur in liquid		P/E	Fuel	NA ²	
	9-1-304			fuel			certification		

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 ¹ Ground level Concentration
 ² Not Applicable. Source #41 configured for gaseous fuel only.

Table VII-C **Applicable Limits and Compliance Monitoring Requirements** S-41, Duct Burner

Continued...

Type of	Emission	FE	Future	Emission Limit	Monitoring	Monitoring	Monitoring	Comp	liance
Limit	Limit	Y/N	Effective		Frequency	Frequency	Type	YES	/ NO
	Citation		Date		Citation	(P/C/N)			
SO2	NSPS Subpart GG, 60.333 (a)	Y		0.015% (vol) @ 15% O2 (dry), or 0.8% sulfur in gaseous fuel by weight	NSPS Subpart GG, 60.334(h)(3)	P/M or EN	Monthly gaseous fuel analysis of current, valid purchase contract, tariff sheet or transportation contract	х	
SO2	NSPS Subpart GG, 60.333 (b)	Y		0.8% sulfur in fuel oil by weight	NSPS Subpart GG, 60.334 (h)(1), 60.334(i)(1)	P/E	At each fuel delivery, fuel sampling using District's laboratory procedure method 10	NA ²	
Opacity	BAAQMD 6-1-301	N		>=Ringlemann No. 1 for no more than 3 minutes in any hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring	NA ²	
Opacity	SIP 6-301	Ý		>=Ringlemann No. 1 for no more than 3 minutes in any hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring	NA ²	
FP	BAAQMD 6-310	Z		0.15 grain/dscf @ 6% O2			N	X	
FP	SIP 6-310	Y		0.15 grain/dscf @ 6% O2			N	X	

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 ¹ Ground level Concentration
 ² Not Applicable. Source #41 configured for gaseous fuel only.